

INSULATED ASYMMETRICAL DIRECTIONAL FORCE RESISTANT
BUILDING PANEL WITH SYMMETRICAL JOINERY, INTEGRAL
SHEAR RESISTANCE CONNECTOR AND THERMAL BREAK

ABSTRACT OF THE DISCLOSURE

A structural building system including an improved, structural-load-bearing building component, such as a building panel, having front and back sections, an insulating core, integral symmetrical joinery, a thermal break, and at least one shear resistance connector. The panel is asymmetrical about one axis, and is designed to be directionally positioned with respect to the maximum anticipated force. A shear resistance connector array may be positioned between the front and back sections or may be integral to the front or back section. A face sheet may span one or more than one building panel, and provides structural support to the building system.